

PATENT CLAIMS

1. Electrolytic cell (1) for the production of a halogen biocide from an aqueous solution with an electrolyses process, comprising an enclosure (5) and electrode plates (2, 3, 4), further comprising:
the enclosure (5) consisting of two parts which are connected by at least one connector (9).
2. Electrolytic cell as claimed in claim 1,
wherein the two parts (5A, 5B) are substantially the same.
3. Electrolytic cell as claimed in claim 1 or 2,
wherein the electrode plates (2, 3, 4) are insulated by a protective cover (13) and / or the electrode plates (2, 3, 4) are held by slits in the two parts (5A, 5B).
4. Electrolytic cell as claimed in claim 1, 2 or 3,
wherein the connector (9) comprises a plug (10) and a receptacle (11).
5. Electrolytic cell as claimed in one of the proceeding claims,
wherein a conductor (7, 8) is encased in a recess (12) of the enclosure (5).
6. Electrolytic cell as claimed in one of the proceeding claims,
wherein the electric energy consumption of the cell is lower than 60 watts,
preferably lower than 40 watts.
7. Electrolytic cell as claimed in one of the proceeding claims,
wherein the weight of the cell is less than 1 kg, preferably less than 200g.

8. Method for assembling an electrolytic cell (1) according to one of the claims 1 to 8 comprising the steps of:
inserting electrode plates (2, 3, 4) into a first part (5B) of an enclosure (5) of the cell,
sliding a second part (5A) of the enclosure (5) over the electrode plates (2, 3, 4),
connecting the first and the second part (5B and 5A) with a connector (9) to build a closed enclosure (5).
9. Method for assembling an electrolytic cell (1) as claimed in claim 8, wherein the electrode plates (2, 3, 4) are inserted into slits of the parts (5A, 5B).
10. Method for operation of an electrolytic cell (1) according to claims 1 to 8 comprising the steps of:
connecting the cell to a DC power source, wherein the power source is a standard car battery, a direct current generator, preferably a battery charger, a solar generator, a wind mill with a generator, a transformer.
11. Method for operation of an electrolytic cell (1) as claimed in claim 10, wherein the electric energy consumption of the cell is lower than 60 watts, preferably lower than 40 watts.
12. Method for operation of an electrolytic cell (1) as claimed in claim 10 or 11, wherein the formation of bubbles during electrolyses is used to promote circulation within the cell.